



Figure 1. Left-hand pump for drawing source water from the river (not used). Motors exercised regularly, in case of need.



Figure 2. Right-hand pump for drawing source water from the river (not used). Motors exercised regularly, in case of need.



Figure 3. Label above manual valve for Outfall 001.



Figure 4. Manual valve just out of view beneath pump house.



Figure 5. Best possible view of Outfall 001 (behind pump house). The structure in the river is protective.

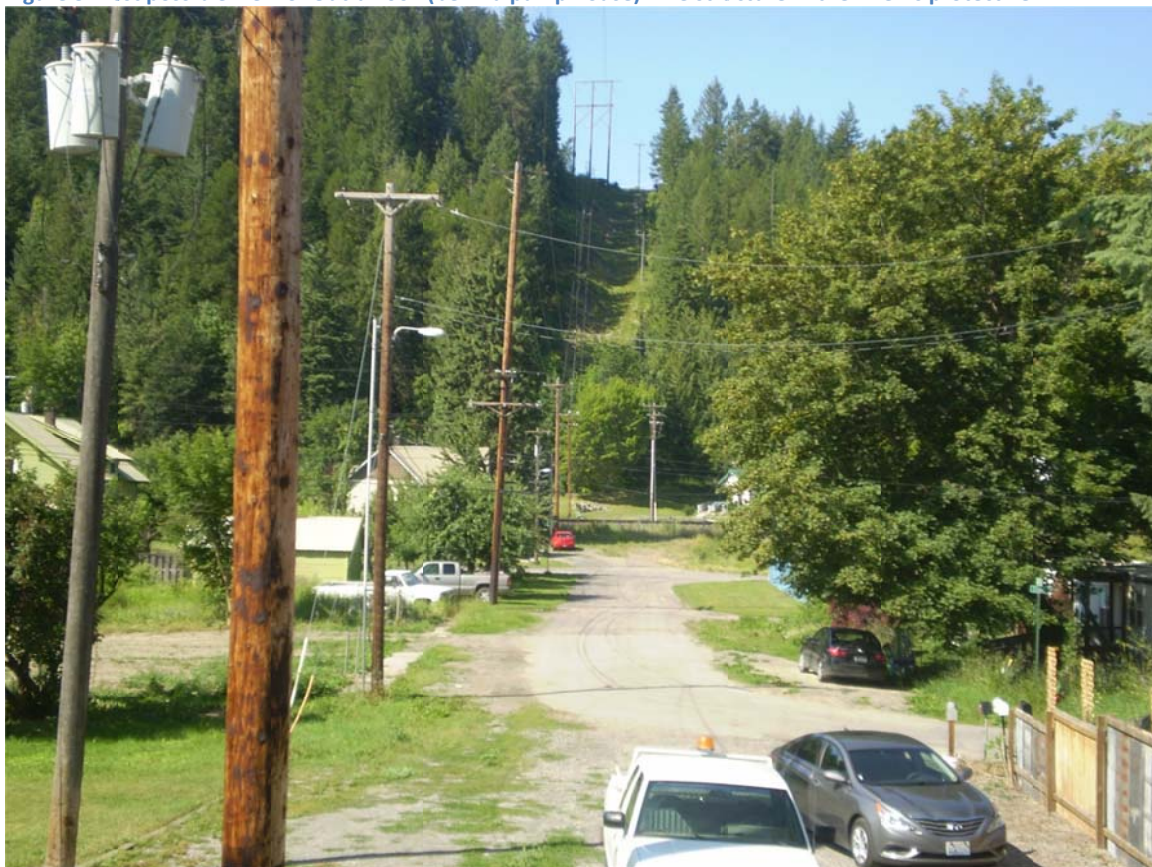


Figure 6. Right-of-way for river intake/Outfall 001 piping. Treatment plant is just over the ridge along the utility corridor.



Figure 7. Fenced access bridge to river intake/Outfall 001.

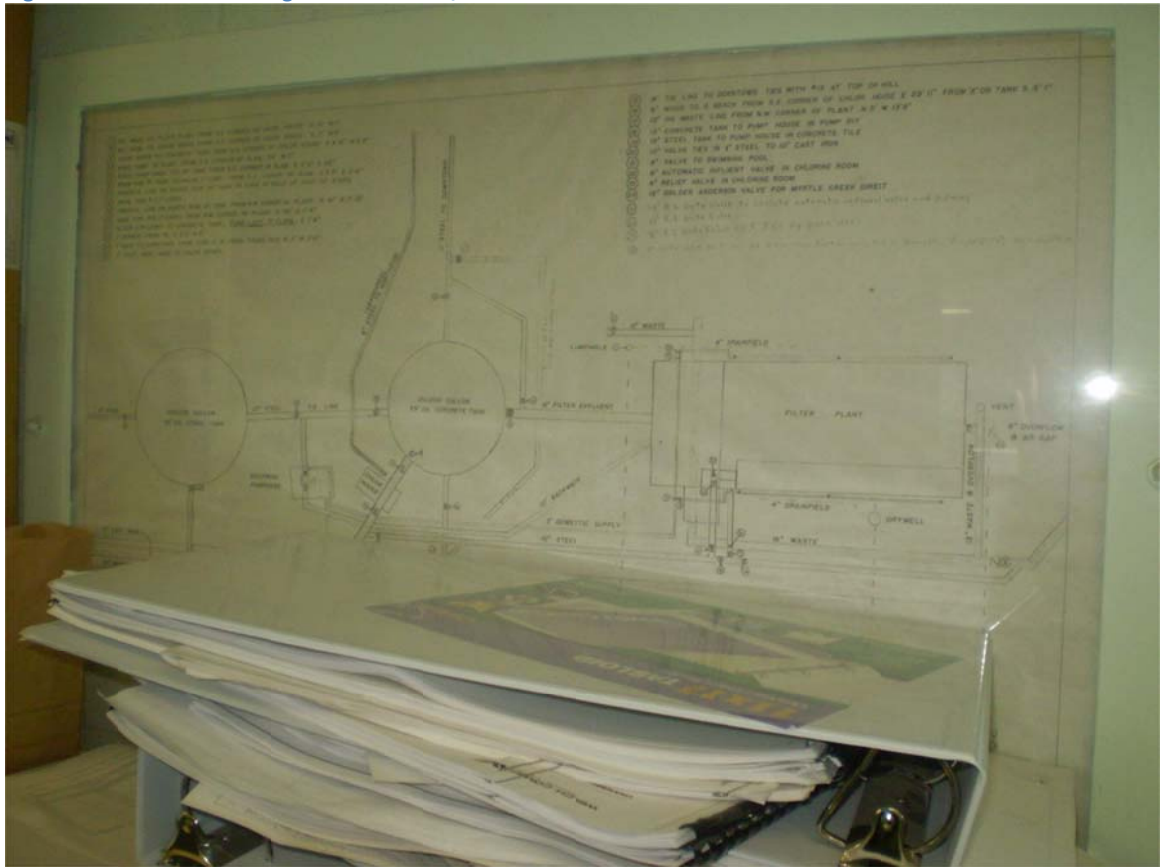


Figure 8. Facility map prior to installation of the clarifiers.



Figure 9. Clarifier backflow to settling tank (formerly part of the treatment process).



Figure 10. First of two new upflow clarifiers in plant.



Figure 11. Location of raw water sampling point.



Figure 12. Close-up of sampling tap below floor grating.



Figure 13. Coagulant addition point prior to clarifiers.



Figure 14. Location of coagulant addition point (at right) in relation to clarifiers (at left).



Figure 15. Filter backwash pipe as it goes around the filters (in green building) to the settling tank (at back).



Figure 16. Filter backwash discharge pipe to settling tank (inside plant building).

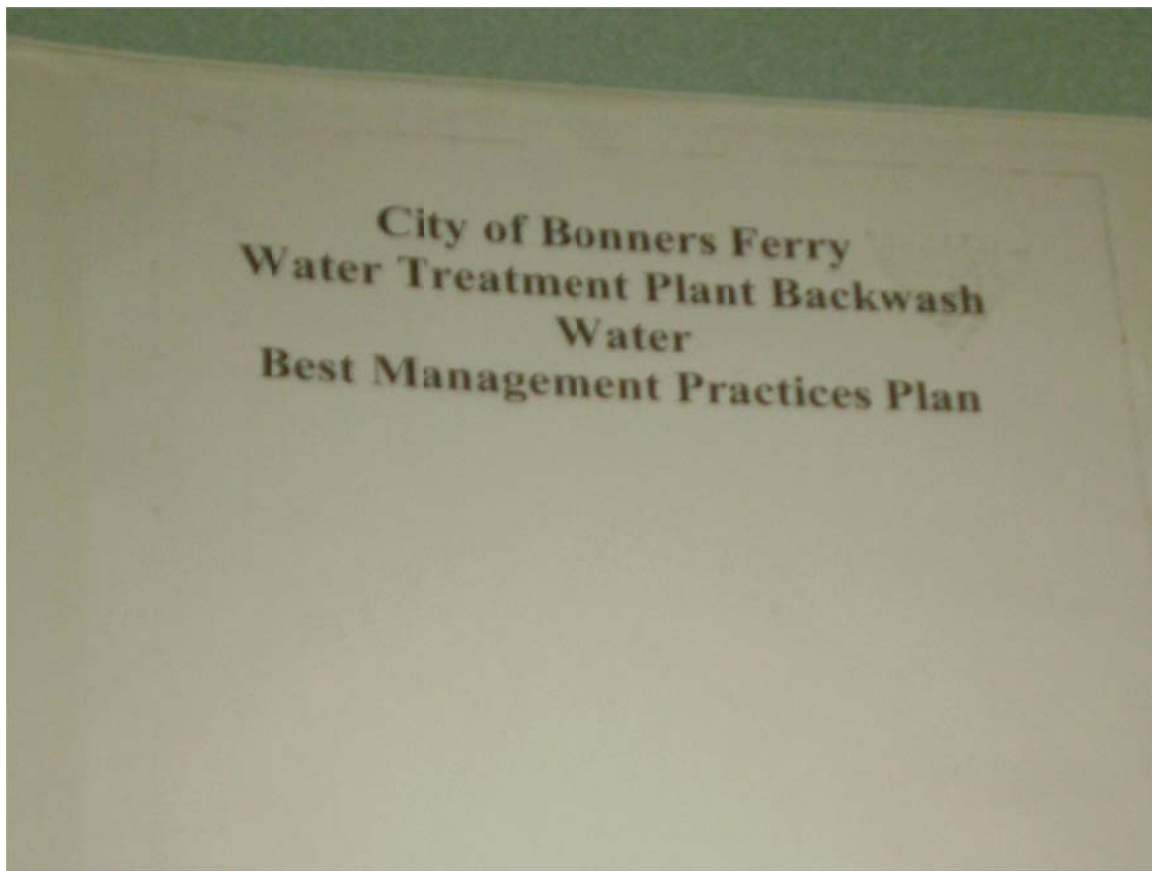


Figure 17. Cover of site BMP plan.

Statement of BMP Policy	3
BMP Committee	3
Standard Operating Procedures	3
Description of Potential Pollutant Sources	4
Specific Best Management Practices	4
Risk Identification and Assessment	5
Reporting of BMP Incidents	5
Good Housekeeping, Inspections & Preventative Maintenance	5
Security	5
Employee Training	5
Record Keeping and Reporting	5
Appendix A	NPDES Permit
Appendix B	Raw Water Sampling History
Appendix C	Plant Operation Line Drawing
Appendix D	Employee Certifications
Appendix E	Guidance Manual for Developing Best Management Practices (BMP)

Figure 18. BMP plan table of contents.

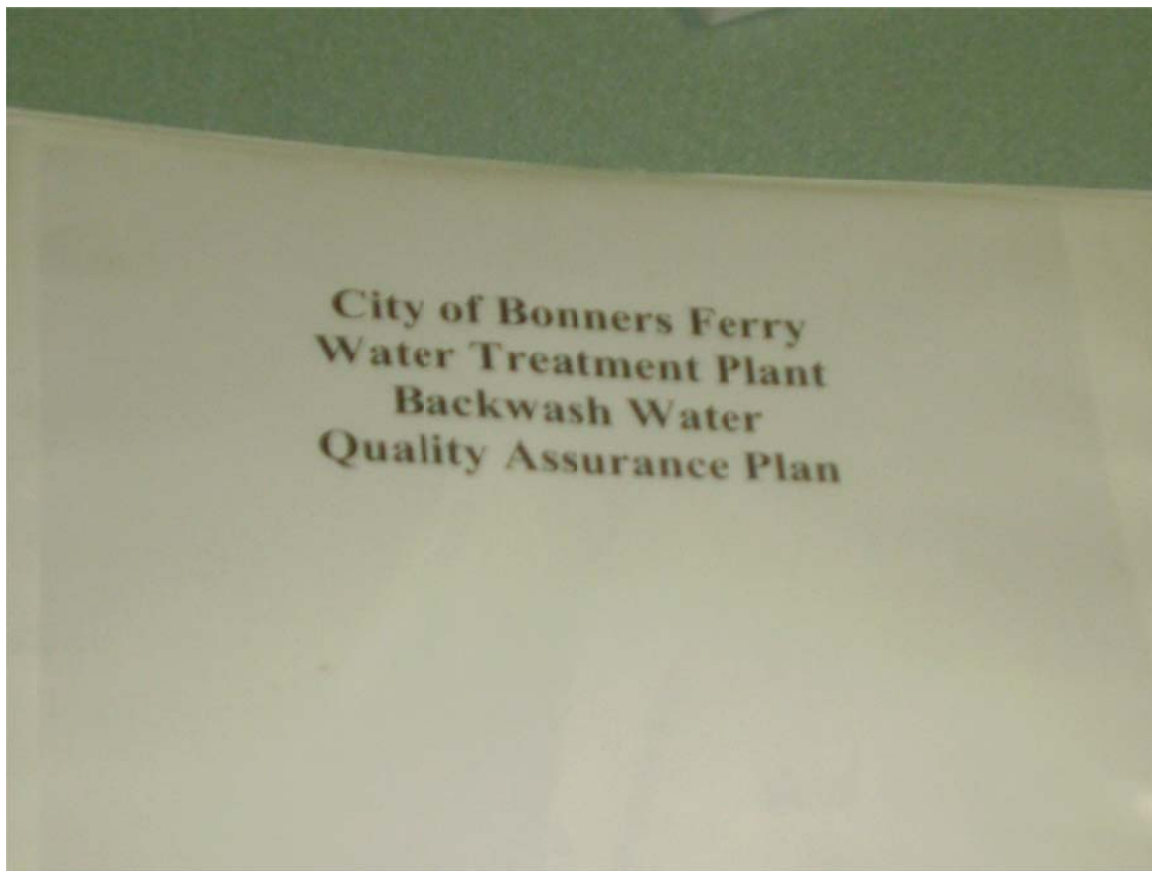


Figure 19. QAP cover.

The image shows the table of contents page of the binder. The page is titled "Contents" and lists various sections and their corresponding page numbers. The binder is open, showing the metal rings on the left side. The right side of the page shows the edges of several tabs labeled "Appendix A" through "Appendix I".

Section	Page
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pH Testing Procedure	4
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Turbidity	5
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Temperature	6
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Appendix B SVL Lab Contact Information	
Appendix C Employee Certifications and Qualifications	
Appendix D Sampling Location	
Appendix E Hach Colorimeter II Chlorine Manual	
Appendix F Hach 2100P Turbidimeter Manual	
Appendix G Hach sension1 pH Meter Manual	
Appendix H Chain of Custody Sample	
Appendix I Standard Methods 2540D TSS Method	

Figure 20. QAP table of contents.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0088

PERMITTEE NAME/ADDRESS (Indicate Facility Name/Location if Different)
NAME: BONNERS FERRY, CITY OF
ADDRESS: P.O. BOX 148
 BONNERS FERRY, IN 43005
LOCATION: BONNERS FERRY, CITY OF
 LOCATION: 124 MAIN STREET
 BONNERS FERRY, IN 43005
 ATTN: ASSISTANT CITY ADMINISTRATOR

PERMIT NUMBER: IN000222
DISCHARGE NUMBER: 001A
MONITORING PERIOD:
 FROM 08/01/2011 TO 08/30/2011

DMR Mailing ZIP CODE: 43005
MINOR: 5
 (SUHR 01)
 External Outfall ☐ No Discharge ☐

PARAMETER	QUANTITY OR LOADING			QUALITY OF CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
0000 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0010 1 d Effluent Concentration	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0020 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0030 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0040 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0050 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0060 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0070 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0080 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0090 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0100 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0110 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0120 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0130 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0140 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0150 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0160 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0170 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0180 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0190 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0200 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0210 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0220 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0230 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0240 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0250 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0260 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0270 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0280 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0290 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0300 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	Composite
0310 5-day, 20 deg. C	PERMIT REQUIREMENT	100	mg/L	45	mg/L	mg/L	mg/L	1	Monthly	Composite
0320 5-day, 20 deg. C	SAMPLE MEASUREMENT	63.1	mg/L	28.2	mg/L	mg/L	mg/L	1	Monthly	

[illegible]

WATER ANALYSIS

YEAR = 2011

AVERAGE TSS mg/L =

AVERAGE TSS mg/L =

Figure 23. June 2011 onsite laboratory analysis sheet for TSS.

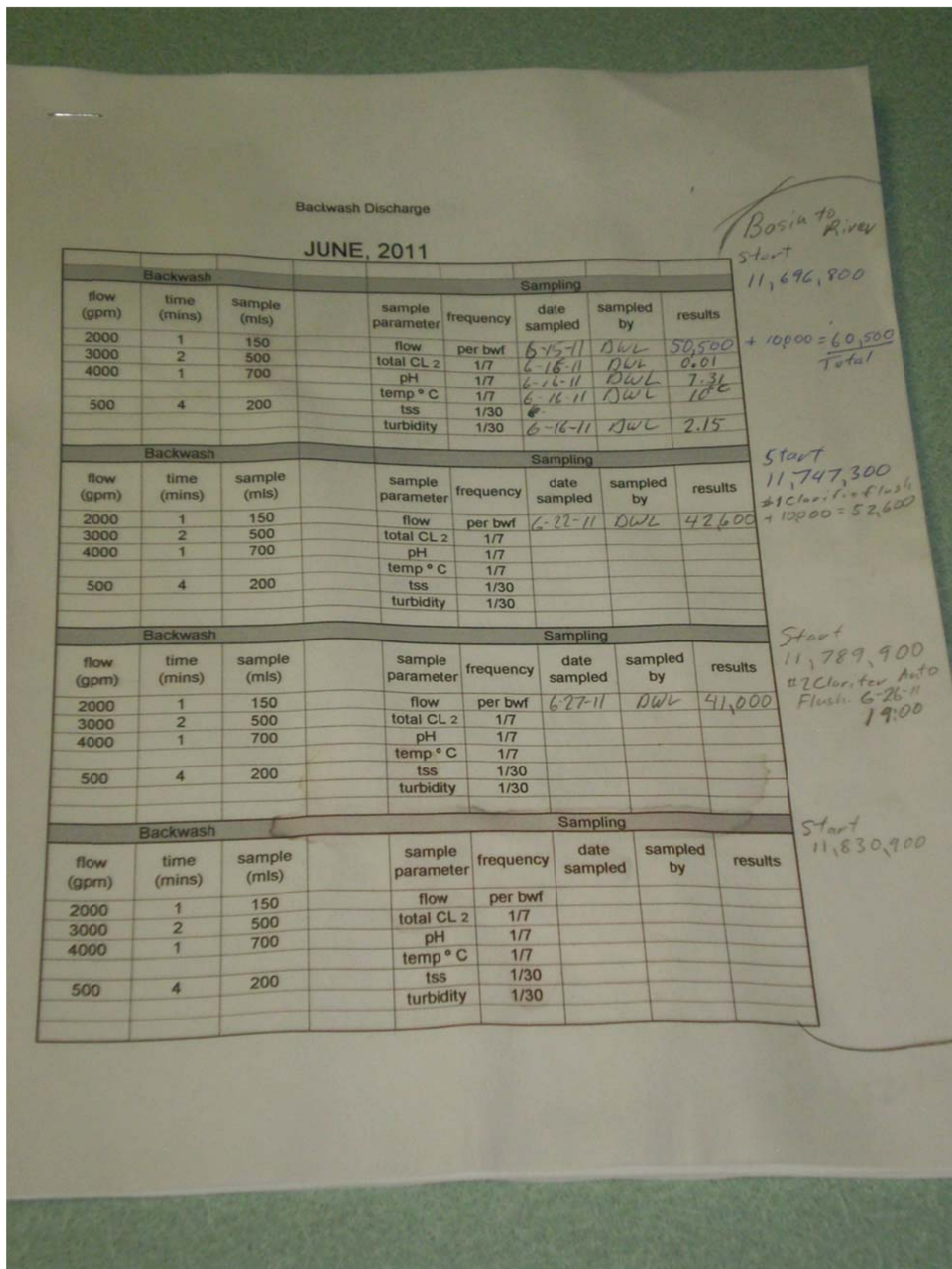


Figure 24. June 2011 backwash discharge operating log.

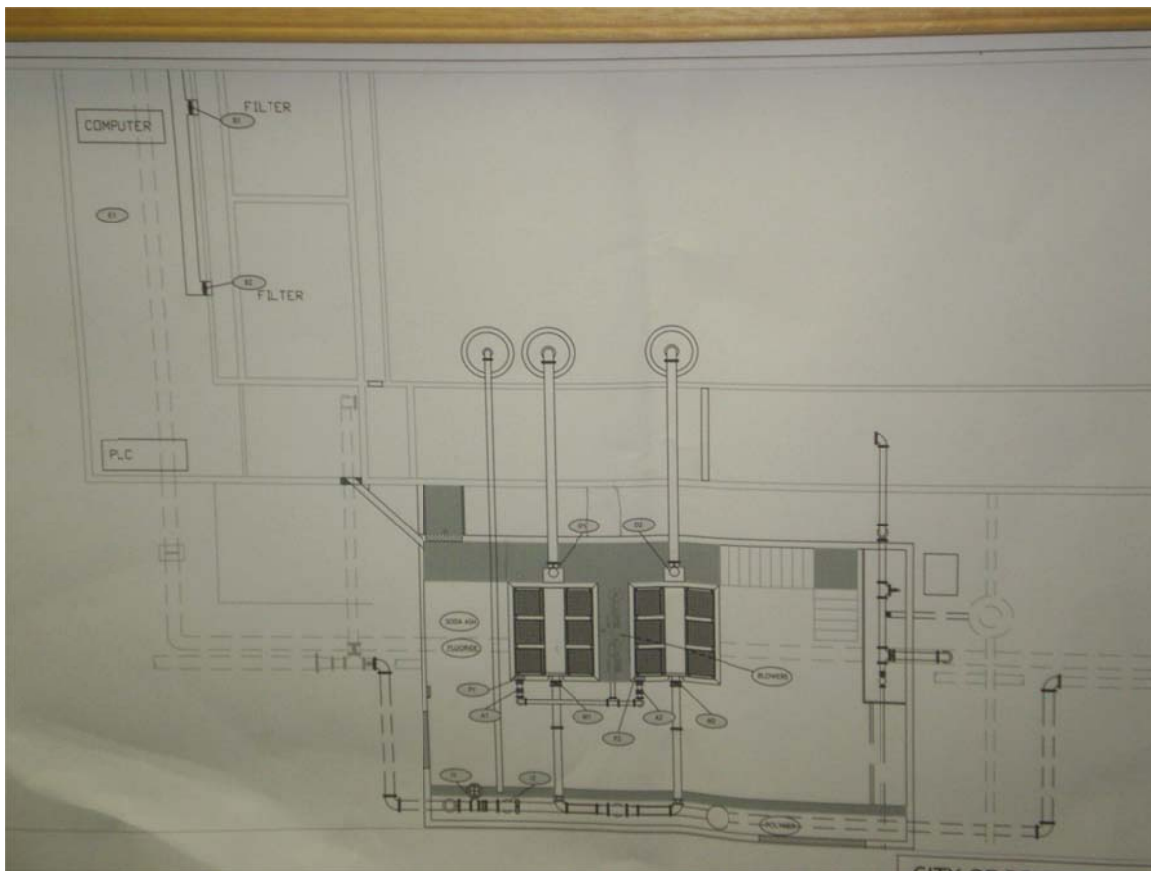


Figure 25. New layout of plant since installation of clarifiers.



Figure 26. DMR files at plant.



Figure 27. Operations manuals at plant.

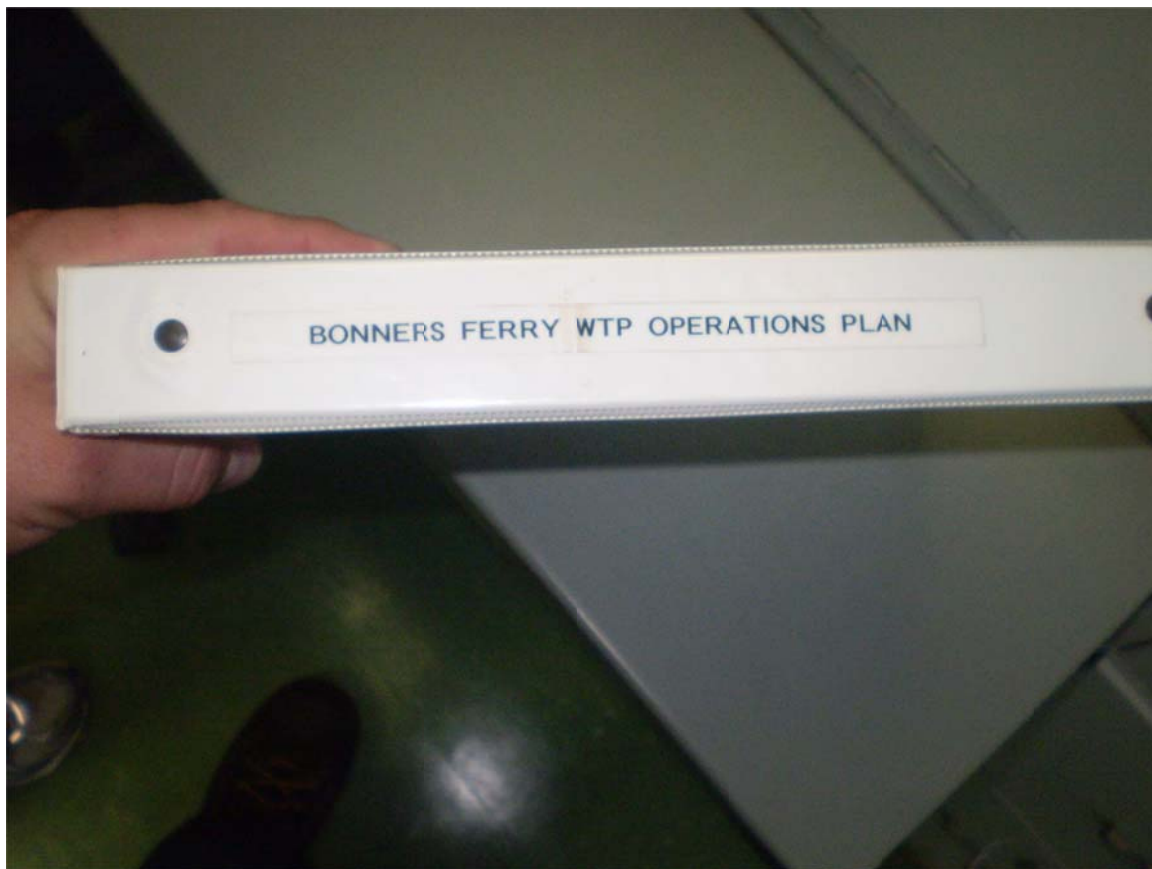


Figure 28. Spine of O&M Manual at plant.

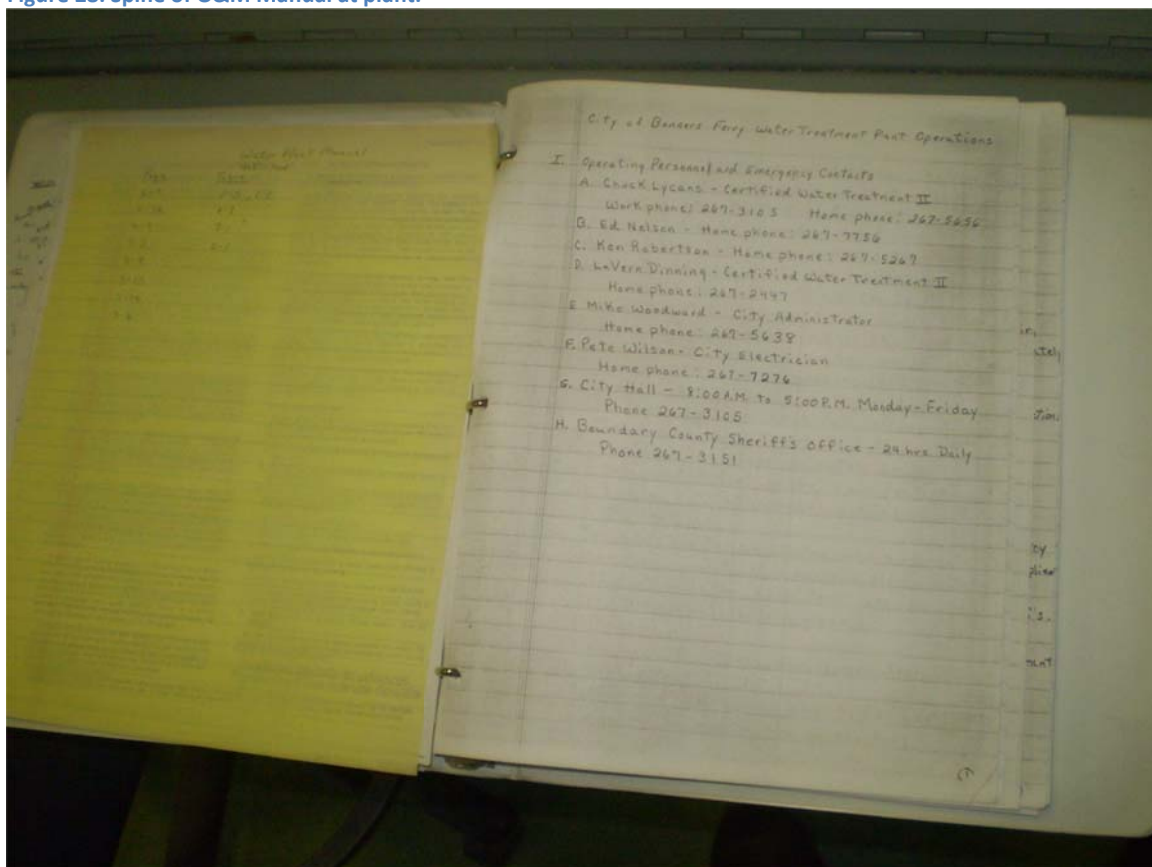


Figure 29. Emergency contact list in O&M Manual.



Figure 30. Close-up of O&M Manuals on shelf.



Figure 31. Operator licenses on wall of office at plant.